

Abstract

[0027] A grader attachment for a skid steer utilizes the skid steer's auxiliary hydraulics to power an independent hydrostatic steering system for the grader and to control skid steer propulsion and grader blade position. The attachment mounts to the skid steer via a standard mounting connection. The auxiliary hydraulics of the skid steer are routed through a flow control valve and then through a safety valve/back pressure valve before being tapped to control the steering, blade positioning and propulsion systems of the grader. The steering and propulsion systems use a cross bar which connects to the hand control levers of the skid steer. The foot pedal used to control propulsion of the skid steer and attachment has a centering system so that the cylinder goes back to neutral when an operator's foot is removed from the pedal stopping the unit. The blade positioning system utilizes pairs of lift and angle cylinders which allow the blade to be rotated or tilted.